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Date Mailed: January 31, 2003

Washington, DC 20231

Atty. Dkt. No. 35721/243744

Application No. 10/068,570; Filing Date February 6, 2002 Inventor(s): Vodyanoy et al.; Title of Invention: "LIGAND SENSOR

DEVICES AND USES THEREOF"

Documents Enclosed: IDS (1 page); Form 1449 (1 page); Copies of (5)

References

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ALSTON & BIRD LLP

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Vodyanoy et al.

Confirmation No.:

6923

Appl. No.:

10/068,570

Group Art Unit:

1614

Filed:

February 6, 2002

Examiner:

Not yet assigned

For:

LIGAND SENSOR DEVICES AND USES THEREOF

January 31, 2003

Commissioner for Patents Washington, DC 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT CITATION UNDER 37 C.F.R. § 1.97

Sir:

Attached is a list of documents on form PTO-1449 together with a copy of each identified document. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,

Leigh W. Thorne

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Registration No. 47,992

Customer No. 00826 **ALSTON & BIRD LLP**

Bank of America Plaza 101 South Tryon Street, Suite 4000 Charlotte, NC 28280-4000

Tel Raleigh Office (919) 862-2200 Fax Raleigh Office (919) 862-2260 **CERTIFICATE OF MAILING**

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| r Initials | No. | coun | try where public | shed. | | | | | | | | • |
| | 22 | CAT | I I I 64 3 | (E) (O D 1 | | | | | | | | |
| | 33 | GAU, J., et al., "A MEMS Based Amperometric Detector for E. Coli Bacteria Using Self-Assembled Monolayers," | | | | | | | | | | |
| | | Biosensors & Bioelectronics, 2001, pp. 745-755, Vol. 16. | | | | | | | | | | |
| | 34 | LUP | PA. P.B., et al., | "Immunosens | ors - | ors - Principles and Applications to Clinical Chemistry," Clinica Chimica Acta, | | | | | | |
| | - | 2001, pp. 1-26. Vol. 314. | | | | | | | | | | |
| | *************************************** | | | | | | | | | | | |
| | 35 | | | | | g with Phage Peptide Libraries," The Quarterly Journal of Nuclear | | | | | | |
| | | Medicine, 1999, pp. 159-162, Vol. 43. | | | | | | | | | | |
| | 26 | | | | | | | | | | | |
| | 36 | 1 | THIRANA, S.T., et al., "Rapid and Sensitive Biosensor for Salmonella," Biosensors & Bioelectronics, 2000, 135-141, Vol. 15. | | | | | | | | | |
| | | рр. 1 | 133-141, VOI. 1. | | | | | | | | # · · · · · · · · · · · · · · · · · · · | |
| | 37 | SAM | IOYLOVA, T.I. | . and SMITH. | B.F | "Elucidation of | Musc | le-Bindi | ng Pentides by Pha | ge D | isplay Screening." | |
| | | SAMOYLOVA, T.I., and SMITH, B.F., "Elucidation of Muscle-Binding Peptides by Phage Display Screening," Muscle & Nerve, 1999, pp. 460-466, Vol. 22(4). | | | | | | | | | | |
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June 26, 2002 Date Mailed: -Atty. Dkt. No. 35721/243744

Application No. 10/068,570; Filing Date February 6, 2002 Inventor(s): Vodyanoy et al.; Title of Invention: "LIGAND SENSOR DEVICES AND USES THEREOF" Documents Enclosed: Supplemental IDS (1 page); Form 1449 (1 page); and Copies of 2 references

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Applicant notes that each item of information listed on form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application. In addition, the communication from the foreign patent office was not received by any individual designated by 37 CFR 1.56(c) more than thirty (30) days prior to the filing of this Information Disclosure Statement.

Respectfully submitted,

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Lynda o Pixley

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| | 31 | US-6,165,335 | | 12-26-2000 | | | | | | | | | | | | | |
| | 22 | 110 4 040 516 | 07 | 10 1000 | 117 | | | | | | | | | | | | |
| | 32 | US-4,940,516 | | 07-10-1990 | | Wegmann et al. | | | | | | | | | | | |
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